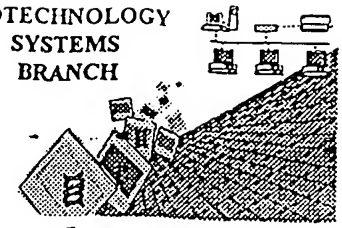
BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/645,304
Source: OIPE
Date Processed by STIC: 8-28-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
   Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/645,304

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4	Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5	Variable Length	Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) ~~(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)~~ (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10	X Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11	Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13	Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

RAW SEQUENCE LISTING DATE: 08/28/2003
PATENT APPLICATION: **US/10/645,304** TIME: 09:03:34

Input Set : **E:\126481_1001prj.ST25.txt**
Output Set: **N:\CRF4\08282003\J645304.raw**

```
      3 <110> APPLICANT: Samuel , Stupp I.
      5 <120> TITLE OF INVENTION: CHARGED PEPTIDE-AMPHIPHILE SOLUTIONS & SELF ASSEMBLED
PEPTIDE
      6       NANOFIBER NETWORKS FORMED THEREBY
      8 <130> FILE REFERENCE: 126481.1001
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/645,304
     11 <141> CURRENT FILING DATE: 2003-08-21
     13 <150> PRIOR APPLICATION NUMBER: 60/406,016
     14 <151> PRIOR FILING DATE: 2002-08-21
     16 <160> NUMBER OF SEQ ID NOS: 22
     18 <170> SOFTWARE: PatentIn version 3.2
     20 <210> SEQ ID NO: 1
     21 <211> LENGTH: 7
     22 <212> TYPE: PRT
     23 <213> ORGANISM: Cystine with a 16 carbon alkyl chain attached
     25 <400> SEQUENCE: 1
     27 Cys Cys Cys Cys Gly Gly Gly
     28 1               5
     31 <210> SEQ ID NO: 2
     32 <211> LENGTH: 7
     33 <212> TYPE: PRT
     34 <213> ORGANISM: Alanine with a 16 carbon alkyl chain attached
     36 <400> SEQUENCE: 2
     38 Ala Ala Ala Ala Gly Gly Gly
     39 1               5
     42 <210> SEQ ID NO: 3
     43 <211> LENGTH: 7
     44 <212> TYPE: PRT
     45 <213> ORGANISM: Serine with a 16 carbon alkyl chain attached
     47 <400> SEQUENCE: 3
     49 Ser Leu Ser Leu Gly Gly Gly
     50 1               5
     53 <210> SEQ ID NO: 4
     54 <211> LENGTH: 7
     55 <212> TYPE: PRT
     56 <213> ORGANISM: Cystein with a 16 carbon alkyl chain attached
     58 <400> SEQUENCE: 4
     60 Cys Cys Cys Cys Gly Gly Gly
     61 1               5
     64 <210> SEQ ID NO: 5
     65 <211> LENGTH: 7
     66 <212> TYPE: PRT
     67 <213> ORGANISM: Alanine with a 16 carbon alkyl chain attached
     69 <400> SEQUENCE: 5
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Not a valid response. See item 10 on error summary sheet.

RAW SEQUENCE LISTING DATE: 08/28/2003
PATENT APPLICATION: **US/10/645,304** TIME: 09:03:34

Input Set : **E:\126481_1001prj.ST25.txt**
Output Set: **N:\CRF4\08282003\J645304.raw**

```
71 Ala Ala Ala Ala Gly Gly Gly
72 1               5
75 <210> SEQ ID NO: 6
76 <211> LENGTH: 7
77 <212> TYPE: PRT
78 <213> ORGANISM: Serine with a 16 carbon alkyl chain attached
80 <400> SEQUENCE: 6
82 Ser Leu Ser Leu Gly Gly Gly
83 1               5
86 <210> SEQ ID NO: 7
87 <211> LENGTH: 7
88 <212> TYPE: PRT
89 <213> ORGANISM: Cystein with a 16 carbon alkyl chain attached
91 <400> SEQUENCE: 7
93 Cys Cys Cys Cys Gly Gly Gly
94 1               5
97 <210> SEQ ID NO: 8
98 <211> LENGTH: 7
99 <212> TYPE: PRT
100 <213> ORGANISM: Alanine with a 16 carbon alkyl chain attached
102 <400> SEQUENCE: 8
104 Ala Ala Ala Ala Gly Gly Gly
105 1               5
108 <210> SEQ ID NO: 9
109 <211> LENGTH: 7
110 <212> TYPE: PRT
111 <213> ORGANISM: Serine with a 16 carbon alkyl chain attached
113 <400> SEQUENCE: 9
115 Ser Leu Ser Leu Gly Gly Gly
116 1               5
119 <210> SEQ ID NO: 10
120 <211> LENGTH: 7
121 <212> TYPE: PRT
122 <213> ORGANISM: Cystein with a 16 carbon alkyl chain attached
124 <400> SEQUENCE: 10
126 Cys Cys Cys Cys Gly Gly Gly
127 1               5
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 7
132 <212> TYPE: PRT
133 <213> ORGANISM: Alanine with a 16 carbon alkyl chain attached
135 <400> SEQUENCE: 11
137 Ala Ala Ala Ala Gly Gly Gly
138 1               5
141 <210> SEQ ID NO: 12
142 <211> LENGTH: 7
143 <212> TYPE: PRT
144 <213> ORGANISM: Serine with a 16 carbon alkyl chain attached
146 <400> SEQUENCE: 12
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RAW SEQUENCE LISTING DATE: 08/28/2003
PATENT APPLICATION: US/10/645,304 TIME: 09:03:34

Input Set : E:\126481_1001prj.ST25.txt
Output Set: N:\CRF4\08282003\J645304.raw

148 Ser Leu Ser Leu Gly Gly Gly
149 1 5
152 <210> SEQ ID NO: 13
153 <211> LENGTH: 7
154 <212> TYPE: PRT
155 <213> ORGANISM: Cystein with a 16 carbon alkyl chain attached
157 <400> SEQUENCE: 13
159 Cys Cys Cys Cys Gly Gly Gly
160 1 5
163 <210> SEQ ID NO: 14
164 <211> LENGTH: 7
165 <212> TYPE: PRT
166 <213> ORGANISM: Alanine with a 16 carbon alkyl chain attached
168 <400> SEQUENCE: 14
170 Ala Ala Ala Ala Gly Gly Gly
171 1 5
174 <210> SEQ ID NO: 15
175 <211> LENGTH: 7
176 <212> TYPE: PRT
177 <213> ORGANISM: Serine with a 16 carbon alkyl chain attached
179 <400> SEQUENCE: 15
181 Ser Leu Ser Leu Gly Gly Gly
182 1 5
185 <210> SEQ ID NO: 16
186 <211> LENGTH: 7
187 <212> TYPE: PRT
188 <213> ORGANISM: Cystein with a 16 carbon alkyl chain attached
190 <400> SEQUENCE: 16
192 Cys Cys Cys Cys Gly Gly Gly
193 1 5
196 <210> SEQ ID NO: 17
197 <211> LENGTH: 7
198 <212> TYPE: PRT
199 <213> ORGANISM: Cystein with a 16 carbon alkyl chain attached
201 <400> SEQUENCE: 17
203 Ala Ala Ala Ala Gly Gly Gly
204 1 5
207 <210> SEQ ID NO: 18
208 <211> LENGTH: 7
209 <212> TYPE: PRT
210 <213> ORGANISM: Serine with a 16 carbon alkyl chain attached
212 <400> SEQUENCE: 18
214 Ser Leu Ser Leu Gly Gly Gly
215 1 5
218 <210> SEQ ID NO: 19
219 <211> LENGTH: 7
220 <212> TYPE: PRT
221 <213> ORGANISM: Cystein with a 16 carbon alkyl chain attached
223 <400> SEQUENCE: 19

RAW SEQUENCE LISTING DATE: 08/28/2003
PATENT APPLICATION: **US/10/645,304** TIME: 09:03:34

Input Set : **E:\126481_1001prj.ST25.txt**
Output Set: **N:\CRF4\08282003\J645304.raw**

225 Cys Cys Cys Cys Gly Gly Gly
226 1 5
229 <210> SEQ ID NO: 20
230 <211> LENGTH: 7
231 <212> TYPE: PRT
232 <213> ORGANISM: Alanine with a 16 carbon alkyl chain attached
234 <400> SEQUENCE: 20
236 Ala Ala Ala Ala Gly Gly Gly
237 1 5
240 <210> SEQ ID NO: 21
241 <211> LENGTH: 7
242 <212> TYPE: PRT
243 <213> ORGANISM: Serine with a 16 carbon alkyl chain attached
245 <400> SEQUENCE: 21
247 Ser Leu Ser Leu Gly Gly Gly
248 1 5
251 <210> SEQ ID NO: 22
252 <211> LENGTH: 7
253 <212> TYPE: PRT
254 <213> ORGANISM: x is 2,3-diaminopropionic acid
257 <220> FEATURE:
258 <221> NAME/KEY: misc_feature
259 <222> LOCATION: (5)..(7)
260 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
262 <400> SEQUENCE: 22
W--> **264 Ser Leu Ser Leu Xaa Xaa Xaa**
265 1 5

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/28/2003
PATENT APPLICATION: US/10/645,304 TIME: 09:03:35

Input Set : E:\126481_1001prj.ST25.txt
Output Set: N:\CRF4\08282003\J645304.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:22; Xaa Pos. 5,6,7

VERIFICATION SUMMARY DATE: 08/28/2003
PATENT APPLICATION: **US/10/645,304** TIME: 09:03:35

Input Set : **E:\126481_1001prj.ST25.txt**
Output Set: **N:\CRF4\08282003\J645304.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0